

Product Datasheet

Serpin A1/alpha 1-Antitrypsin Antibody - BSA Free NBP1-78098-0.1mg

Unit Size: 0.1 mg

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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NBP1-78098-0.1mg

Serpine A1/alpha 1-Antitrypsin Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Product Description	
Description	<p>This antibody was prepared from monospecific antiserum by immunoaffinity chromatography using antigen resins attached to a solid phase. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum. Analysis by SDS-PAGE was used to determine that this preparation is substantially free of aggregates and shows a banding pattern consistent with purified Rabbit IgG.</p> <p>Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p>
Host	Rabbit
Gene ID	5265
Gene Symbol	SERPINA1
Species	Human
Immunogen	Human Serpin A1/alpha 1-Antitrypsin (Uniprot: P01009)
Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:2000-1:10000, ELISA 1:10000-1:600000, Immunohistochemistry 1:500-1:2500, Immunohistochemistry-Paraffin 1:500 -1:2500
Application Notes	This product has been tested by LEISA, SDS-PAGE, and western blot. This product is assayed against 1.0 ug of Human Alpha-1-anti-Trypsin in a standard ELISA using Peroxidase conjugated Affinity Purified Donkey anti-Rabbit IgG and TMB as a substrate for 30 minutes at room temperature. A working dilution of 1:10,000 to 1:50,000 is suggested for this product.



Images

Western Blot: Serpin A1/alpha 1-Antitrypsin Antibody [NBP1-78098] - Goat-anti-Alpha-1-Anti-Trypsin (red), Rabbit anti-Transferrin and Mouse-a-GST were used in a multiplex system to detect target proteins under reducing (R) conditions (+4% BME) in albumin depleted human serum with 320 ng of added GST. Sample was run by SDS-PAGE, transferred to 0.2 um PVDF using the Trans-Blot Turbo and blocked in 2.5% Blotto, 2.5% BSA, 0.02% Tween over night at 4C. Membrane was probed with three primary antibodies at 1:1000 dilution (in buffer over night at 4C). Detection shown was using DyLight549 Donkey anti-Rabbit IgG (shown as green) DyLight488 Donkey anti-Mouse IgG (shown as blue), and DyLight649 Donkey anti-Goat IgG (shown as red) at 1:10000 (in buffer 30 min RT).



Publications

Holzer M, Ljubojevic-Holzer S, Souza Junior D et al. HDL isolated by immunoaffinity, ultracentrifugation, or precipitation is compositionally and functionally distinct. Journal of Lipid Research 2022-10-01 [PMID: 36511335]



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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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